

INTERNATIONAL SEARCH REPORT

International Application No

/IB2004/000831

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/095

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 06, 22 September 2000 (2000-09-22) & JP 2000 076679 A (RICOH CO LTD), 14 March 2000 (2000-03-14) cited in the application abstract & US 2003/151999 A1 (HIRAI HIDEAKI ET AL) 14 August 2003 (2003-08-14) page 2, paragraph 12 - page 2, paragraph 19 page 2, paragraph 26 - page 3, paragraph 35 page 3, paragraph 42 page 8, paragraph 145 - page 9, paragraph 159 figures 4-8B</p> <p>----- -/--</p>	1-20

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

4 August 2004

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11/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 525 332 B1 (CHANG HUNG-LU ET AL) 25 February 2003 (2003-02-25) column 3, line 31 - column 4, line 67 figures 1,4A-5B</p> <p>-----</p>	1-20

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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			US	6545958 B1	08-04-2003
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			JP	2000187870 A	04-07-2000
			US	6545958 B1	08-04-2003
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